

Pavol Jozef Šafárik University in Košice

Wisdom of the Past – Knowledge of the Present – Education of the Future

**The Most Significant Scientific Papers and Monographs by
Pavol Jozef Šafárik University's Researchers Published in 2012
Listed by Faculties and Research Areas**

Faculty of Medicine

Research Area 18: Medical and Pharmacological Sciences

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

VARINSKÁ, Lenka - WIJHE VAN, Michiel - BELLERI, Mirella - MITOLA, Stefania - PERJÉSI, Pál - PRESTA, Marco - KOOLWIJK, Pieter - IVANOVÁ, Lenka - MOJŽIŠ, Ján:

Anti-angiogenic activity of the flavonoid precursor 4-hydroxychalcone.

European Journal of Pharmacology, 691(1-3) (2012) 125-133.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

ŠALAGOVIČ, Ján - KLIMČÁKOVÁ, Lucia - ILENČÍKOVÁ, Denisa - KAFKOVÁ, Adriana: Association of follicular lymphoma risk with BRCA2 N372H Polymorphism in Slovak population.

Medical Oncology. - ISSN 1357-0560. - Vol. 29, no. 2 (2012) 1173-1178.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

HIJOVÁ, Emília – BOMBA, Alojz – BERTKOVÁ, Izabela – STROJNÝ, Ladislav – SZABADOSOVÁ, Viktória - ŠOLTÉSOVÁ, Alena:

Prebiotics and bioactive natural substances induce changes of composition and metabolic activities of the colonic microflora in cancerous rats.

Acta Biochimica Polonica (2012) 59(2) 271-274.

Faculty of Science

Research Area 9.1.: Physics

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

VERKHOLYAK, Taras - STREČKA, Jozef:

Quantum phase transitions in the exactly solved spin-1/2 Heisenberg-Ising ladder.
Journal of Physics A-Mathematical and Theoretical, 45 (2012) art.no. 305001.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

HUNTOŠOVÁ, Veronika - BÚZOVÁ, Diana - PETROVAJOVÁ, Dana - KASÁK, Peter - NAĐOVÁ, Zuzana - JANCURA, Daniel - SUREAU, Franck - MIŠKOVSKÝ, Pavol:

Development of a new LDL-based transport system for hydrophobic-amphiphilic drug delivery to cancer cells.

International Journal of Pharmaceutics, 436 (1-2) (2012) 463-471.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

PIERCE, M. S - KOMANICKÝ, Vladimír - BARBOUR, A - HENNESSY, Daniel C. - ZHU, C. H. - SANDY, A - YOU, Hoydoo:

Dynamics of the Au (001) surface in electrolytes In situ coherent x-ray scattering.

Physical Review B, 86 (8) (2012) art. no. 085410.

Research Area 9.2.: Earth and Universe Sciences

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

HOFIERKA, Jaroslav - ZLOCHA, M.:

A New 3-D Solar Radiation Model for 3-D City Models.

Transactions in GIS, 16 (5) (2012) 681-690.

ADE - Scientific/scholarly papers published in the journals not registered in the Current Contents Connect database and published abroad

BÓNOVÁ Katarína, BAČÍK Peter. - BÓNA Ján:

Hexahydrit a ranciéit z holocénnych travertínov a penovcov vo Vyšných Ružbachoch (Spišská Magura, severné Slovensko).

Bulletin mineralogicko-petrologického oddelení Národního muzea (Praha), 20 (1) (2012) 94-100.

ADE - Scientific/scholarly papers published in the journals not registered in the Current Contents Connect database and published abroad

NOVOTNÝ, Ladislav:

Trendy migracji i rozwój miejskiego regionu funkcjonalnego Bratysława (Migration trends and the urban development in the Bratislava functional urban region).

Przestrzeń i forma, 17 (2012) 361-374.

Research Area 10: Environmental Science and Ecology

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

ŠUVADA, Róbert – MÁRTONFI, Pavol – MÁRTONFIOVÁ, Lenka:

Differentiation of Diploid and Triploid Taxa within *Taraxacum* sect. *Erythrosperma* (Asteraceae) from the Pannonian Region.

Folia Geobotanica, 47 (1) (2012) 69-91.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

ČUCHTA, Peter - MIKLISOVÁ, Dana – KOVÁČ, Ľubomír:

A three-year study of soil Collembola communities in spruce forest stands of the High Tatra Mts (Slovakia) after a catastrophic windthrow event.

European Journal of Soil Biology, 50 (2012) 151-158.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

LUPTÁČIK, Peter - MIKLISOVÁ, Dana - KOVÁČ, Ľubomír:

Diversity and community structure of soil Oribatida (Acari) in an arable field with alluvial soils.

European Journal of Soil Biology, 50 (2012) 97-105.

Research Area 12: Chemistry, Chemical Technology and Biotechnology

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

MARUŠIČ, Maja - ŠKET, Primož - BAUER, Ľuboš - VÍGLASKÝ, Viktor - PLAVEC, Janez: Solution-state structure of an intramolecular G-quadruplex with propeller, diagonal and edgewise loops.

Nucleic Acids Research, 40 (14) (2012) 6946-6956.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

HAMUĽAKOVÁ, Slávka - JANOVEC, Ladislav - HRABINOVÁ, Martina - KRISTIAN, Pavol - KUČA, Kamil - BAŇASOVÁ, Mária - IMRICH, Ján:

Synthesis, design and biological evaluation of novel highly potent tacrine congeners for the treatment of Alzheimer's disease.

European Journal of Medicinal Chemistry, 55 (2012) 23-31.

ABA – Scientific/scholarly paper with characteristics of a monograph in a journal or a collection of papers published abroad

ČERNÁK, Juraj - KOČANOVÁ, Ivana - ORENDÁČ, Martin:

Copper-Nickel Heterobimetallic Compounds.

Comments on Inorganic Chemistry, 33 (2012) 2-54.

Research Area 13: Natural Sciences

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

KISKOVÁ, Terézia - EKMEKCIOGLU, Cem - GARAJOVÁ, Miroslava - ORENDÁŠ, Peter - BOJKOVÁ, Bianka - BOBROV, Nikita - WALTER, Jäger - KASSAYOVÁ, Monika - THALHAMMER, Theresia & al.:

A combination of resveratrol and melatonin exerts chemopreventive effects in N-methyl-N-nitrosourea-induced rat mammary carcinogenesis .

European Journal of Cancer Prevention, 21 (2) (2012) 163-170.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

BAČKOROVÁ, Miriam - JENDŽELOVSKÝ, Rastislav - KELLO, Martin - BAČKOR, Martin - MIKEŠ, Jaromír - FEDOROČKO, Peter :

Lichen secondary metabolites are responsible for induction of apoptosis in HT-29 and A2780 human cancer cell lines.

Toxicology in Vitro, 26 (3) (2012) 462-468.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

SKYBA, Matúš - PETIJOVÁ, Linda - KOŠUTH, Ján - PETROVA KOLEVA, Dimitrina - GANCHEVA GANEVA, Tsveta - MIHOVA KAPCHINA-TOTEVA, Veneta -

ČELLÁROVÁ, Eva: Oxidative stress and antioxidant response in *Hypericum perforatum* L. plants subjected to low temperature treatment .

Journal of Plant Physiology, 169 (10) (2011) 955-964.

Research Area 16: Computer Sciences, Automatisation and Telecommunications

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

GEFFERT, Viliam:

An alternating hierarchy for finite automata.

Theoretical Computer Science, 445 (2012) 1–24.

AFC –Published conference papers presented at conferences abroad

GEFFERT, Viliam – PARDUBSKÁ, Dana:

Unary Coded NP-Complete Languages in $ASPACE(\log \log n)$.

LNCS 7410 :**Developments in Language Theory** : 16th International Conference, DLT 2012 : 14. - 17. august 2012, Taipei (Taiwan), Berlin Heidelberg : Springer-Verlag, 2012, ISBN 9783642316524, S. 166-177

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

KOPČO, Norbert - HUANG, Samantha - BELLIVEAU, John W-RAIJ, Tommi - TENGSHE, Chinmayi - AHVENINEN, Jyrki:

Neuronal Representations of Distance in Human Auditory Cortex.

Proceedings of the National Academy of Sciences of USA, 109 (27) (2012) 11019-11024.

Research Area 24: Mathematics and Statistics

ABC – Chapters in scientific/scholarly monographs published abroad

HUNDERTMARK–ZAUŠKOVÁ, Anna - LUKÁČOVÁ-MEDVIĐOVÁ, Mária - RUSNÁKOVÁ, Gabriela:

Fluid-structure interaction for shear-dependent non-Newtonian fluids (Part 4).

Topics in mathematical modelling and analysis, Matfyzpress, Praha 2012, 109-158.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

HALUŠKA, Ján - HUTNÍK, Ondrej:

On integrable functions in complete bornological locally convex spaces

Mediterranean Journal of Mathematics 9 (2012) 165-186.

ADC - Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

HUDÁK, Dávid - KARDOŠ, František - LUŽAR, Borut - SOTÁK, Roman - ŠKREKOVSKI, Riste:

Acyclic edge coloring of planar graphs with Δ colors

Discrete Applied Mathematics 160 (9) (2012) 1356-1368.

Faculty of Law

Research Area 7: Law and International Relations

AAA – Scientific/scholarly monograph published abroad

VOJČÍK, Peter – ADAMOVÁ, Zuzana – BAČÁROVÁ, Renáta – MOLNÁR, Peter – SZZATTLER, Eduard:

Právo duševného vlastníctva

Plzeň : Vydavatelství a nakladatelství Aleš Čeněk, 2012. - 495 s.

AAB – Scientific/scholarly monograph published in the country of residence

ČORBA, Jozef:

Obchodnoprávne a súťažnoprávne aspekty športu

Košice: UPJŠ v Košiciach, 2012. – 200 s.

ACB – University textbooks published in the country of residence

BABČÁK, Vladimír – PRIEVOZNÍKOVÁ, Karin – ŠTRKOLEC, Miroslav:

Finančné právo na Slovensku a v Európskej únii

Bratislava : EUROKÓDEX, 2012. - 832 s.

Faculty of Public Administration

Research Area 6: Social and Behavioural Sciences

ABC – Chapters in scientific/scholarly monographs published abroad

BOBÁKOVÁ, Viktória:

Performance and value management of a firm.

Performance Management Implementation in Business and Non-Profit Organisations. - Kraków : Uniwersytet Ekonomiczny w Krakowie. ISBN 9788362511969 (2012) 15-34.

ADE – Scientific/scholarly papers published in the journals not registered in the Current Contents Connect database and published abroad

VAL'OVSKÁ, Zlata:

Investigation of Public Sector Efficiency within Selected European Regions.

International Business and Economics Review. ISSN 1647-1989 (3) (2012) 125-137.

ADE – Scientific/scholarly papers published in the journals not registered in the Current Contents Connect database and published abroad

MIHALIKOVÁ, Eva – GRELL, Michal:

Possibilities and Perspectives of Using Open Source Applications in Public Administration in Slovakia.

Management Information Systems.7(2) (2012) 13-16.

Faculty of Arts

Research Area 1: Educational Science

ADE– Scientific/scholarly papers published in the journals not registered in the Current Contents Connect database and published abroad

OROSOVÁ, Renáta – STAROSTA, Volodymyr I.:

Zastosuvannja mikronavčannja u procesi vivčenja kursu «Zahalna didaktika» v Košickomu Universiteti imeni Pavla Jozefa Šafarika. In: **Naukovyj visnyk Užgorodskogo nacional'nogo universitou: Serija „Pedagogika. Social'na robora“**. – No. 25 (2012), s. 148 – 151.

ADF – Scientific/scholarly papers published in the journals not registered in the Current Contents Connect database and published in the country of residence

ŠMAJDOVÁ BÚŠOVÁ, Katarína:

Profesional families – the development of the relationship between a professional mother and the child in the kontext of the mother's status. In: **Journal of Pedagogy**. – ISSN 1338 – 1563. – Vol. 3, no. 1 (2012), s. 117–135.

Research Area 2: Humanities

AAA – Scientific/scholarly monograph published abroad

ŠTEKAUER, P., VALERA, S., KÖRTVÉLYESSY, L.: **Word-Formation in the World's Languages : A Typological Survey**, recenzované. - 1. vyd. - Cambridge : Cambridge University Press, 2012. - 366 s. - ISBN 9780521765343

AAB – Scientific/scholarly monograph published in the country of residence

ŠKÁRA, M.: Leibnitz a Heidegger – **Veta o (dostatočnom) dôvode**. AFPh UŠ 23. Košice: Univerzita Pavla Jozefa Šafarika v Košiciach 2012. 151 s.

Research Area 3: History and Ethnology

AAB– Scientific/scholarly monograph published in the country of residence

ŠUTAJ, Š.: **Maďarská menšina na Slovensku v 20. storočí**. Bratislava: Kalligram 2012. 398 s.

Research Area 6: Social and Behavioural Sciences

ADC– Scientific/scholarly papers published in the journals registered in the Current Contents Connect database and published abroad

René Šebeňa, Walid El Ansari, Christiane Stock, Oľga Orosová, Rafael T. Mikolajczyk: **Are perceived stress, depressive symptoms and religiosity associated with alcohol consumption? A survey of freshmen university students across five European countries, Substance Abuse Treatment, Prevention, and Policy** [elektronický zdroj], Vol. 7 (2012), s. [1-10], ISSN 1747-597X <http://www.substanceabusepolicy.com/content/7/1/21>

Institute of Physical Education and Sport

Research Area: Sport Sciences

AAB - Scientific/scholarly monograph published in the country of residence

LIBA, Jozef - BUKOVÁ, Alena: **Pohyb a zdravie**. Košice: Univerzita Pavla Jozefa Šafárika v Košiciach, 2012. 145 s. ISBN 9788070979679.

AED –Scientific/scholarly papers published in peer-reviewed collections of papers and monographs published in the country of residence

ZUSKOVÁ, Klaudia - BUKOVÁ, Alena - BRTKOVÁ, Mirianna: **Vybrané rizikové faktory obezity a pohybová prevencia vysokoškolákov**.

Vedecké práce 2012. Bratislava: Slovenská technická univerzita v Bratislave, 2012. ISBN 9788022737241. s. 276-282.

AED - Scientific/scholarly papers published in peer-reviewed collections of papers and monographs published in the country of residence

FEČ, Rastislav - FEČ, Karol - BUKOVÁ, Alena: Rozdiely v stabilite jednoduchého reakčného času žiakov 2. a 3. ročníka základnej školy.

Od výskumu k praxi v športe 2012: zborník vedeckých prác. Bratislava: STU, 2012. - ISBN 9788022738545. s. 73-78.